



JAMES A. NOYES, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

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IN REPLY PLEASE
REFER TO FILE: **C-1**

September 24, 2002

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, CA 90012

Dear Supervisors:

CHANGES IN WORK FOR PUBLIC WORKS CONTRACTS ALL SUPERVISORIAL DISTRICTS 3 VOTES

IT IS RECOMMENDED THAT YOUR BOARD:

Find that the requested changes in work have no significant effect on the environment and approve the changes for the following construction contracts:

Project ID No. FCC0000597 - Busby Drain, Cities of Santa Fe Springs and La Mirada (4), Andrew Papac and Sons, in amount of \$50,700.15.

Project ID No. FCC0000624 - Dominguez Gap Barrier Project, Unit 7B, Phase 4A, Part 2A, vicinities of Carson, Wilmington, and Long Beach (2 and 4), Beylik Drilling, Inc., in amount of \$492,450.88.

Project ID No. FCC0000752 - Sycamore Canyon Channel Repair, City of Glendale (5), KEC Engineering, in amount of \$17,420.

Project ID No. OSD0000003 - Los Angeles County Traffic Signal Battery Back-up System Retrofit Project, in various intersections throughout Los Angeles County, (All), C. T. & F., Inc., in amount of \$33,000.

Project ID No. RDC0011265 - Atlantic Ave. - Phase 2, vicinity of Compton (2), Southern California Underground Contractors, Inc., in amount of \$230,500.

The Honorable Board of Supervisors
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Project ID No. RDC0013866 - Nogales St., et al., vicinity of Rowland Heights (4), Ecology Construction, Inc., in amount of \$24,551.

CC 7768 - Azusa, Covina, Claremont Street Sweeping, in the east area of the County (1 and 5), R. F. Dickson Company, Inc., in amount of \$26,842.20.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

This action is to obtain Board approval for changes in public works contracts in support of the timely completion of the projects while avoiding delays and the potential for claims. The descriptions of the changes, estimated costs, and necessary time extensions are listed in the enclosure for each contract.

The Director of Public Works has been authorized by your Board to order changes in work up to \$10,000 for construction contracts. Enclosed for your authorization are changes in work in excess of my delegated limits which are required to complete Project ID Nos. FCC0000597, FCC0000624, FCC0000752, OSD0000003, RDC0011265, and RDC0013866; and Cash Contract 7768.

Implementation of Strategic Plan Goals

Approval of these changes in work, which are necessary to satisfactorily complete the projects, is consistent with the County Strategic Plan Goal of Service Excellence since the improved infrastructure will better serve the public.

FISCAL IMPACT/FINANCING

The estimated change order amounts for these contracts range from \$17,420.00 to \$492,450.88.

If these changes in work are not approved, contract completion will be delayed and increased costs incurred.

Sufficient funds are available in the Board-approved appropriations for each of the respective projects to cover the costs of the requested changes. Detailed cost breakdowns for each of the changes, together with contract cost summaries, are included in the enclosures.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

Each of the subject contracts for the construction of public works improvements was awarded by your Board to the lowest responsible bidder in accordance with the California Public Contract Code, your Board's directives, and as recommended by the Director of Public Works.

ENVIRONMENTAL DOCUMENTATION

The changes in work as described above and in the enclosures are within the limits of the Board-approved projects and do not change any conditions which resulted in the original environmental findings.

CONTRACTING PROCESS

Each contract provides that the contractor be compensated for changes in the work as a result of changes to the original plans and specifications or changed conditions encountered during the course of construction. The costs of each of the changes are based on contract unit prices, time and materials methods, or negotiated under the provisions of the contract specifications. The methods for arriving at the costs of the changes are included in the enclosures.

IMPACT ON CURRENT SERVICES (OR PROJECTS)

Approval of the requested changes by your Board will ensure the timely completion of work under each of the respective contracts and result in complete and usable facilities.

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CONCLUSION

Please return one approved copy of this letter to Public Works.

Respectfully submitted,

JAMES A. NOYES
Director of Public Works

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cc: Chief Administrative Office
County Counsel
Office of Affirmative Action Compliance

CHANGE IN WORK (AUTHORIZE)
September 24, 2002

PROJECT ID NO. FCC0000597, BUSBY DRAIN (Cities of Santa Fe Springs and La Mirada), Supervisorial District 4, Contractor: Andrew Papac and Sons

Project Description:

Construction of a reinforced concrete pipe storm drain and resurfacing of roadway pavement.

Changes in Work:

(1) Variations in Bid Quantities	(\$46,387.95)
(2) Delay and Additional Work Due to Unstable Soil Conditions	9,453.98
(3) Remove and Replace 24" Corrugated Metal Pipe	23,173.47
(4) Utility Delay and Additional Work	15,969.87
(5) Provide Additional Asphalt Concrete and Crushed Aggregate Base	47,804.00
(6) Repair Traffic Signal Conduit	<u>686.78</u>
Total	<u>\$50,700.15</u>

Description of Changes:

(1) The original contract amount is based upon estimated quantities of the various bid items. The contractor is paid based upon actual quantities used. The decrease in contract price reflects the net adjustment due to variations between estimated bid quantities and actual quantities.

(2) Your Board previously approved a change in work to compensate the contractor for delay costs and additional work due to wet soil conditions encountered while excavating for the mainline. The cost for this work will exceed the original estimate by the amount shown.

(3) It will be necessary to replace approximately 75' of 24" deteriorated corrugated metal pipe with 18" reinforced concrete pipe. This work is not shown on the plans.

(4) During excavation, the contractor encountered several unmarked utilities which resulted in delays and additional work in the amount shown.

(5) Due to the poor condition of the pavement adjacent to the mainline trench, it will be necessary to place additional base material and asphalt concrete in order to properly restore the pavement. This work is not shown on the plans.

(6) Your Board previously approved a change in work to repair two traffic signal conduits. The cost for this work will exceed the original estimate by the amount shown.

The costs for Item 1 and a portion of the cost for Item 5 will be based on contract unit prices. The costs for Items 2, 3, 6, and a portion of the cost for Item 4 will be based on time and materials methods as provided in Subsection 3-3 of the contract specifications. The balance of the costs for Items 4 and 5 were negotiated as provided in Subsection 3-2 of the contract specifications.

No additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$2,649,816.80
Changes in work previously approved by the Board	233,050.00
Changes in work to be authorized	<u>50,700.15</u>
Revised contract amount	<u>\$2,933,566.95</u>

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CHANGE IN WORK (AUTHORIZE)
September 24, 2002

PROJECT ID NO. FCC0000624, DOMINGUEZ GAP BARRIER PROJECT, UNIT 7B,
PHASE 4A, PART 2A (in the vicinities of Carson, Wilmington, and Long Beach),
Supervisory Districts 2 and 4, Contractor: Beylik Drilling, Inc.

Project Description:

The installation of 17 groundwater recharge wells and 12 groundwater observation wells.

Changes in Work:

(1) Variations in Bid Quantities	\$137,260.00
(2) Modification of Gravel Feed Tubes	15,713.28
(3) Perform Zone Packer Test	26,311.00
(4) Disposal of Contaminated Water	125,000.00
(5) Disposal and Trucking of Water With High Total Dissolved Solids Levels	6,000.00
(6) Modification of Recharge Wells Air Controls	119,466.60
(7) Relocation and Reinstallation of 6" Pipe	5,700.00
(8) Disposal of Development Water	<u>57,000.00</u>
Total	<u>\$492,450.88</u>

Description of Changes:

(1) The original contract amount is based upon estimated quantities of the various bid items. The contractor is paid based upon actual quantities used. The increase in contract price reflects the net adjustment due to variations between estimated bid quantities and actual quantities.

(2) In order to properly install the gravel feed tubes, the design of all 33 vaults must be modified. This work is not shown on the plans.

(3) It will be necessary to perform a zone packer test at Well 28T to isolate the upper aquifer from the lower aquifer.

(4) During well development, the contractor encountered levels of hydrocarbons at Wells 28T and 29A2 that exceeded the specified limits for discharge. It will be necessary to transport the contaminated water to a designated treatment facility.

(5) The contractor encountered total dissolved solids at Well 29A4 at levels that exceed the specified limits of our discharge permit. To meet the requirements of the permit, it will be necessary to transport and discharge the water to Dominguez Channel.

(6) To meet the intent of the design, it will be necessary to modify the air supply controls at all 33 of the recharge wells. The necessary modifications will significantly reduce head loss and ease future maintenance. This work is not shown on the plans.

(7) During the placement of the vaults for Wells 29B1 East and West, the contractor encountered a 6" vitrified clay pipe that was not shown on the plans. It will be necessary to reroute the existing pipe in order to place the vaults. This work includes the relocation of the pipe, removal and restoration of a sidewalk, and installation of a temporary bypass.

(8) Your Board previously approved a change in work to contain, store, and dispose of approximately 1,625,000 gallons of water which will be generated during the development of the wells. The cost for this work will exceed the original estimate by the amount shown.

The costs for Item 1 will be based on contract unit prices. The costs for Items 2, 3, 6, and 8 were negotiated as provided in Subsection 3-2 of the contract specifications. The costs for Items 4, 5, and 7 will be based on time and materials methods as provided in Subsection 3-3 of the contract specifications.

Two additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$19,770,000.00
Changes in work previously approved by the Board	1,910,364.70
Changes in work to be authorized	<u>492,450.88</u>
Revised contract amount	<u>\$22,172,815.58</u>

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CHANGE IN WORK (AUTHORIZE)
September 24, 2002

PROJECT ID NO. FCC0000752, SYCAMORE CANYON CHANNEL REPAIR
(City of Glendale), Supervisorial District 5, Contractor: KEC Engineering

Project Description:

Repair of the invert, soffit, and walls of a reinforced concrete box storm drain.

Changes in Work:

(1) Variations in Bid Quantities	\$ 6,450.00
(2) Construction Permit Fee	1,970.00
(3) Remove Concrete Rubble	5,500.00
(4) Remove Oversized RCB Section	<u>3,500.00</u>
Total	<u>\$17,420.00</u>

Description of Changes:

(1) The original contract amount is based upon estimated quantities of the various bid items. The contractor is paid based upon actual quantities used. The increase in contract price reflects the net adjustment due to variations between estimated bid quantities and actual quantities.

(2) As stipulated in the contract specifications, it will be necessary to reimburse the contractor for fees paid for a required construction permit from the City of Glendale.

(3) It will be necessary to compensate the contractor for the additional work needed to remove concrete rubble previously used as backfill material around a section of the existing reinforced concrete box. This work is not shown on the plans.

(4) It will be necessary to compensate the contractor for the additional work to remove an oversized section of the concrete box. This work is not shown on the plans.

The costs for Item 1 will be based on contract unit prices. The cost for Item 2 is stipulated in the contract specifications. The costs for Items 3 and 4 will be based on time and materials methods as provided in Subsection 3-3 of the contract specifications.

Eight additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$161,835.00
Changes in work to be authorized	<u>17,420.00</u>
Revised contract amount	<u>\$179,255.00</u>

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CHANGE IN WORK (AUTHORIZE)
September 24, 2002

PROJECT ID NO. OSD0000003, LOS ANGELES COUNTY TRAFFIC SIGNAL
BATTERY BACK-UP SYSTEM RETROFIT PROJECT (in various intersections
throughout Los Angeles County), All Supervisorial Districts, Contractor: C. T. & F., Inc.

Project Description:

Installation of traffic signal battery back-up systems and replacement of incandescent lamps with light-emitting diode modules.

Change in Work:

Wiring Modifications	\$33,000.00
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Description of Change:

It will be necessary to modify the interior wiring in the existing signal cabinets. These modifications will require the services of a specialized traffic controller technician and are beyond the scope of the original contract. The cost for this change will be based on time and materials methods as provided in Subsection 3-3 of the contract specifications.

Twenty-five additional working days will be required because of this change.

Revised Contract Amount:

Original contract amount	\$408,672.62
Change in work to be authorized	<u>33,000.00</u>
Revised contract amount	<u><u>\$441,672.62</u></u>

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CHANGE IN WORK (AUTHORIZE)
September 24, 2002

PROJECT ID NO. RDC0011265, ATLANTIC AVENUE - PHASE 2 (in the vicinity of Compton), Supervisorial District 2,
Contractor: Southern California Underground Contractors, Inc.

Project Description:

Reconstruction of roadway pavement, curb, gutter, sidewalk, driveways, alley intersections, and cross gutters; construction of RCP storm drain, manholes, catch basins, curb ramps, and bus pads; planting and pruning of parkway trees; and modification of traffic signals.

Changes in Work:

(1) Accelerate Construction	\$137,250.00
(2) Additional Concrete Repairs	12,500.00
(3) Replace Connector Pipes	20,350.00
(4) Remove Parkway Drain	1,500.00
(5) Equipment Breakdown	2,500.00
(6) Curb Drains	11,400.00
(7) Plug Abandoned Waterlines	2,600.00
(8) Traffic Signal Upgrades	40,000.00
(9) Reform Catch Basin	<u>2,400.00</u>
Total	<u>\$230,500.00</u>

Description of Changes:

(1) The construction of the project will dramatically impact the businesses in the area. After constructing the two outside lanes along Atlantic Avenue, traffic must be diverted to the center section of the road. As a result, local business access and parking for customers will be restricted. This change will pay the contractor's cost to accelerate completion of the work thereby minimizing the impact on businesses and traffic. The costs for this change will be partially offset by savings in long-term traffic detours and the avoidance of County administrative costs. The contractor has agreed to have the project completed by October 31, 2002, approximately 75 days earlier than the original schedule.

(2) In order to accommodate the proper slope for two new driveways, it will be necessary to remove the existing sidewalk, curb, and gutter, and reconstruct the new facilities 12" lower. This work is not shown on the plans.

(3) After placement of the 24" and 18" connector pipes, it was determined that there would be inadequate cover over the pipes. It will be necessary to remove these pipes and replace them with 15" connector pipes and concrete backfill.

(4) In order to construct a new parkway drain on the east side of Atlantic Boulevard at Rose Street, it will be necessary to remove an existing drain. This drain is not shown on the plans.

(5) While grinding the existing asphalt pavement, the contractor struck concrete backfill that was not shown on the project plans. It will be necessary to compensate the contractor for the resulting damage to his equipment.

(6) Numerous curb drains that were not shown on the plans need to be modified in order to be compatible with the new improvements. This work is not shown on the plans.

(7) It will be necessary to have the contractor remove interfering portions of an abandoned waterline because it conflicts with the proposed connector pipes. This work is not shown on the plans.

(8) In order to meet the intent of the design, additional upgrades of the traffic signals at the intersection of Atlantic Avenue and Myrrh Street will be required.

(9) It will be necessary to modify a catch basin in order to connect a 15" connector pipe as noted in Item 3.

The costs for Items 1 through 6 were negotiated as provided in Subsection 3-2 of the contract specifications. The costs for Items 7, 8, and 9 will be based on time and materials methods as provided in Subsection 3-3 of the contract specifications.

Six additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$1,030,820.00
Changes in work previously approved by the Board	38,000.00
Changes in work to be authorized	<u>230,500.00</u>
Revised contract amount	<u>\$1,299,320.00</u>

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CHANGE IN WORK (AUTHORIZE)
September 24, 2002

PROJECT ID NO. RDC0013866, NOGALES STREET, ET AL. (in the vicinity of Rowland Heights), Supervisorial District 4, Contractor: Ecology Construction, Inc.

Project Description:

Reconstruction of center medians, including the reconstruction of curb and gutter; installation of an irrigation system; and planting of trees and shrubs in the center median and sidewalk.

Changes in Work:

(1) Additional Traffic Control Measures and Advisory Signals	\$ 5,963.00
(2) Traffic Signal Pull Box	4,000.00
(3) Water Meter Fees	6,303.00
(4) Stamped Concrete	<u>8,285.00</u>
Total	<u>\$24,551.00</u>

Description of Changes:

(1) To minimize project impacts to residents and businesses along Colima Road, it will be necessary to add additional traffic control measures and advisory signs along the project alignment. It will be necessary to compensate the contractor for these additions.

(2) It will be necessary to relocate an existing traffic signal pull box located at the east approach island of Colima Road and Nogales Street in order to reconstruct the median island in accordance with the plans.

(3) The plans indicate that two water meters are available to serve the proposed irrigation system in the Nogales Street median. The two meters were not installed prior to the award of the contract. The contractor was directed to pay the service fees charged by the water agencies and is entitled to be compensated for this cost.

(4) It will be necessary to revise the stamped concrete design for the new medians in order to match previously reconstructed medians located on Nogales Street north of Colima Road. It will be necessary to compensate the contractor for the difference in cost.

The cost for Item 1 will be based on a combination of negotiated costs and time and materials methods as provided in Subsections 3-2 and 3-3 of the contract specifications. The costs for Items 2 through 4 will be based on time and materials methods as provided in Subsection 3-3 of the contract specifications.

No additional working days will be required because of these changes.

Revised Contract Amount:

Original contract amount	\$434,449.00
Changes in work to be authorized	<u>24,551.00</u>
Revised contract amount	<u>\$459,000.00</u>

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CHANGE IN WORK (AUTHORIZE)
September 24, 2002

CASH CONTRACT 7768, AZUSA, COVINA, CLAREMONT STREET SWEEPING
(in the east area of the County), Supervisorial Districts 1 and 5,
Contractor: R. F. Dickson Company, Inc.

Project Description:

Weekly sweeping of streets and alleys.

Change in Work:

Sweeping of Streets and Alleys - Extension of Contract	\$26,842.20
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Description of Change:

It will be necessary to extend the current contract 12 weeks until a new contract is in place.

The cost for this change will be based on the contract unit price.

Revised Contract Amount:

Original contract amount	\$348,107.76
Change in work to be authorized	<u>26,842.20</u>
Revised contract amount	<u><u>\$374,949.96</u></u>

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